

LG Chemical B320 EPS, Non-Flame Retardant

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

Material Notes:

Feature: Expendable Polystyrene, Non-Flame Retardant
 Application: Package, Fruit/Fish Box, Floats, Pad, Ice Box
 CAS No. 9003-53-6 and 109-66-0
 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-B320-EPS-Non-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Water Absorption	0.70 %	0.70 %	[g/100cm ²], 30g/L; KS M 3808
	0.72 %	0.72 %	[g/100cm ²], 25g/L; KS M 3808
	0.95 %	0.95 %	[g/100cm ²], 20g/L; KS M 3808
	1.25 %	1.25 %	[g/100cm ²], 15g/L; KS M 3808

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	0.186 MPa	27.0 psi	15g/L; KS M 3808
	0.226 MPa	32.7 psi	20g/L; KS M 3808
	0.314 MPa	45.5 psi	25g/L; KS M 3808
	0.373 MPa	54.0 psi	30g/L; KS M 3808
Impact	0.83	0.83	[kg/cm ²], 15g/L; KS M 3808
	1.15	1.15	[kg/cm ²], 20g/L; KS M 3808
	1.6	1.6	[kg/cm ²], 25g/L; KS M 3808
	2.01	2.01	[kg/cm ²], 30g/L; KS M 3808

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0349 W/m-K	0.242 BTU-in/hr-ft ² - °F	30g/L; KS M 3808
	0.0360 W/m-K	0.250 BTU-in/hr-ft ² - °F	25g/L; KS M 3808
	0.0384 W/m-K	0.266 BTU-in/hr-ft ² - °F	20g/L; KS M 3808

Thermal Properties	Metric	English	Comments
	0.0418 W/m-K	0.0075 BTU-in/hr-ft ² - °F	15g/L, KS M 3008

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